SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Christy’s® Red Hot Blue Glue® PVC Plastic Pipe Cement

SYNONYMS:

PRODUCT USE: Solvent Cement for PVC Plastic Pipe

SUPPLIER and MANUFACTURER: T Christy Enterprises, Inc.
655 East Ball Road, Anaheim, CA 92805-5910
Tel: 1-714-507-3300 (International)
Tel: 1-714-507-3330 (North America)

EMERGENCY: Transportation/Medical issues: Tel. 800.535.5053 INFOTRAC

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Acute Toxicity: Category 4
Skin Corrosion/Irritation: Category 3
Carcinogenicity: Category 2

Precautionary Statements (See Section 15 for all advisory and required precautions):

P202 Do not handle until all safety precautions have been read and understood
P203-631-1
P203-726-8
P250

Signal Word: DANGER

Exposure Hazards:

Combustion Products:
Carbon monoxide, carbon dioxide, hydrogen chloride and smoke

Reactivity:
None Known

Combustion Products:
Carbon monoxide, carbon dioxide, hydrogen chloride and smoke

Heat of Combustion:

Energy:

Mass:

Hazard Statements:

P280 Wear protective gloves/ protective/ clothing/ eye protection/ face protection
P330 Rinse mouth
P331

P280 Wear protective gloves/ protective/ clothing/ eye protection/ face protection
P330 Rinse mouth
P331

Prevent contact with skin as much as possible. Polyethylene or PVA coated rubber gloves should be used for frequent immersion.

Disposable latex/nitrile surgical gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application procedures and practices are used for making structural bonds.

Protective clothing and equipment should be used when handling. Keep away from ignition sources, avoid breathing vapor, avoid contact with eyes, skin and clothing.

Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.

Follow all precautionary information on container label, product bulletins and solvent cementing literature.

[section continues]
**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance: Blue, Medium syrupy liquid
- Odor: Ethereal
- P.H.: Not Applicable
- Melting/Freezing Point: -108.5°C (-163°F) Based on first freezing component: THF
- Boiling Point: 67°C (151°F) Based on first boiling component: Tetrahydrofuran (THF) Evaporation Rate: > 1.0 (BUIC = 1)
- Flash Point: -14°C (5.4°F) T.C.C. based on THF
- Specific Gravity: @23°C ± 2°F (73°F ± 3.6°F) Typical 0.944 ± 0.01
- Solubility: Solvent portion completely soluble in water. Resin portion separable. UEL: 11.8%.
- Partition Coefficient n-octanol/water: Not Available
- Auto-ignition Temperature: 321°C (609.8°F): THF
- Decomposition Temperature: Not Applicable
- VOC Content: When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is ≤ 5%.

**SECTION 10 - STABILITY AND REACTIVITY**

- Stability: Stable
- Hazardous decomposition products: None in normal use. When forced to burn, this product gives off carbon monoxide (CO), carbon dioxide (CO2), hydrogen chloride (HCl) and smoke.
- Conditions to avoid: May cause nausea, vomiting, diarrhea and mental sluggishness.
- Incompatible Materials: Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.
- Carcinogenicity: Tetrahydrofuran (109-99-9)
  - ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
  - Cyclohexanone (108-94-1)
  - ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
- Toxicity:
  - Tetrahydrofuran (THF): Oral: 2880 mg/kg (rat) Inhalation 3 hrs. 21,000 PPM (rat)
  - Methyl Ethyl Ketone (MEK): Oral: 3.96 g/kg (rat), Dermal: 8-10 mg/kg (rabbit) Inhalation 4 hrs. 4,000 PPM (rat)
  - Cyclohexanone: Oral: 1800 mg/kg (rat), Dermal: 1.0 g/kg (rabbit) Inhalation LC50, 4 hrs. 2,000 PPM (rat)

**SECTION 11 - TOXICOLOGICAL INFORMATION**

- Likely Routes of Exposure: Inhalation, Eye and Skin Contact
- Acute symptoms and effects:
  - Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
  - Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with conjunctival inflammation on contact with the liquid.
  - Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
  - Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.
- Chronic (long-term) effects: None known to humans
- Carcinogenicity: Tetrahydrofuran (109-99-9)
  - ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
  - Cyclohexanone (108-94-1)
  - ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
- Reproductive Effects: May cause embryofetal toxicity
  - Toxicity: LD50 LC50
  - Tetrahydrofuran (THF): Oral: 2880 mg/kg (rat) Inhalation 3 hrs. 21,000 PPM (rat)
  - Methyl Ethyl Ketone (MEK): Oral: 3.96 g/kg (rat), Dermal: 8-10 mg/kg (rabbit) Inhalation 4 hrs. 4,000 PPM (rat)
  - Cyclohexanone: Oral: 1800 mg/kg (rat), Dermal: 1.0 g/kg (rabbit) Inhalation LC50, 4 hrs. 2,000 PPM (rat)

**SECTION 12 - ECOLOGICAL INFORMATION**

- Ecotoxicity: Category IV
- Mobility: In normal use, emission of volatile organic compounds (VOCs) to the air takes place. Typically at a rate of ≤ 600 Grams/Liter.
- Degradability: Biodegradable
- BioAccumulation: Minimal to none.

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Follow local and national regulations. Consult disposal expert. Can be disposed of by controlled incineration. May be allowed to dry and disposed of as trash.

**SECTION 14 - TRANSPORT INFORMATION**

- DOT, IATA, ADR, IMDG SHIPPING INFORMATION
  - Proper Shipping Name: Adhesives DOT/IMDG EXCEPTION: Case quantities of cement in containers of less than one liter may be shipped as LIMITED QUANTITY when properly labeled and marked.
  - Hazard Class: 3 shipped as LIMITED QUANTITY when properly labeled and marked.
  - Secondary Risk: None ICAO/IATA May be shipped by air as CONSUMER COMMODITY, ID 8000 when properly packaged, labeled and marked.
  - Identification Number: UN 1133 properly packaged, labeled and marked.
  - Packing Group: II
  - Label Required: Flammable Liquid
  - TDG INFORMATION: FLAMMABLE LIQUID 3
  - SHIPPIING NAME: ADHESIVES (TETRAHYDROFURAN)
  - UN NUMBER: 1133, PG II

**SECTION 15 - REGULATORY INFORMATION**

- Precautionary Label Information: Highly Flammable, Irritant
- Ingredient Listings: USA TSCA, Europe EINECS, Canada OSL, Australia, AICS, Korea ECL/TCCL, Japan MITI (ENCS)
- Risk Phrases: R-11 Highly Flammable
  - R-20 Harmful by inhalation
  - R-21 Harmful in contact with skin.
  - R-22 Harmful if swallowed.
  - S-2 Keep out of reach of children.
  - S-7 Keep container tightly closed when not in use.
  - S-9 Keep container in a well-ventilated place.
  - S-15/16 Keep away from heat and sources of ignition. No smoking.
  - S-23 Do not breathe vapor.
- Safety Phrases:
  - S-24/25 Avoid contact with skin and eyes.
  - S-29 Do not empty into drains.
  - S-37 Wear suitable gloves.
  - S-45 If seeking medical advice show physician label or SDS.
  - S-47 Use only in well ventilated areas.

**SECTION 16 - OTHER INFORMATION**

- Specification Information: Environmental Health & Safety
- Department issuing data sheet: <EHSinfo@tchristy.com>
- All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
- Training necessary: Yes, training in practices and procedures contained in product literature.
- Reissue date / reason for reissue: MAR 2015: Updated GHS Information
- Intended Use of Product: Adhesive for bonding/cementing PVC plastic pipe and fittings

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.